

ABSTRACT

ACTIVE NOISE CONTROL SYSTEM WITH ON-LINE SECONDARY PATH MODELING

- 5 An active noise control system is provided to specify an input transducer, an error transducer, an output transducer and an active noise controller for generating an anti-phase canceling acoustic signal to attenuate an input noise and to output a reduced noise. The active noise control system also performs on-line secondary path modeling. For this purpose the active noise control system comprises, in addition to known systems, a secondary path change detection circuitry (6), a signal
10 distinguishing circuitry (7) and an auxiliary noise control circuitry (8), all of them being used to model said secondary path.

Figure 3